

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,424,856 B2
APPLICATION NO. : 10/525565
DATED : September 16, 2008
INVENTOR(S) : Werner Brennwald et al.

Page 1 of 15

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

The title page should be deleted to appear as per attached title page.

The sheets of drawings consisting of figures 1-13 should be deleted to appear as per attached figures 1-13.

This certificate supersedes certificate of correction
issued November 25, 2008.

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(12) **United States Patent**
Brennwald et al.

(10) Patent No.: **US 7,424,856 B2**
(45) Date of Patent: **Sep. 16, 2008**

(54) **GRATE ELEMENT FOR A GRATE OF A WASTE COMBUSTION INSTALLATION**

(75) Inventors: **Werner Brennwald, Neftenbach (CH); Manfred Wider, Uster (CH); Fritz Weber, Netstal (CH)**

(73) Assignee: **Von Roll Umwelttechnik AG (CH)**

(*) Notice: **Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 397 days.**

(21) Appl. No.: **10/525,565**

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§ 371 (c)(1),

(2), (4) Date: **Feb. 25, 2005**

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PCT Pub. Date: **Mar. 25, 2004**

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(30) **Foreign Application Priority Data**

Aug. 29, 2002 (EP) 02405738

(51) Int. Cl.

F23H 7/08 (2006.01)

(52) U.S. Cl. **110/281; 110/258; 110/291**

(58) Field of Classification Search **110/281, 110/257, 258, 267, 268, 282, 283, 284, 289; 110/290, 291, 296**

See application file for complete search history.

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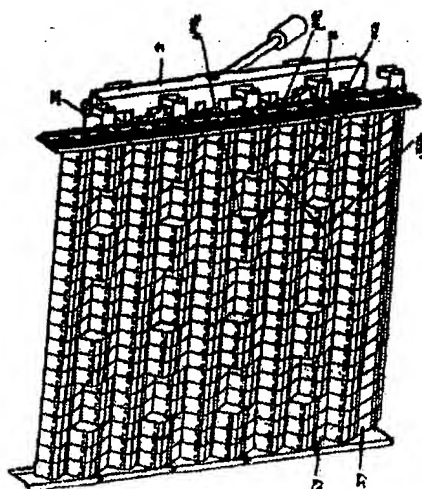
Primary Examiner—Kenneth B Rinchart

(74) Attorney, Agent, or Firm—Hershkovitz & Associates, LLC; Abe Hershkovitz

(57) **ABSTRACT**

The present invention relates to a grate element (1) for a grate of a waste-incineration plant, having a plurality of rows of grate blocks, which are moveable or fixed, arranged one behind the other, a plurality of grate blocks (67) being arranged in each row of grate blocks. A first number of grate blocks arranged in a moveable row of grate blocks here is assigned to a first grate carriage (5), and a second number of grate blocks arranged in a moveable row of grate blocks is assigned to a second grate carriage (35), it being possible for the first number of grate blocks to be moved independently of the second number of grate blocks.

3 Claims, 7 Drawing Sheets



U.S. Patent

Sep. 16, 2008

Sheet 1 of 13

7,424,856 B2

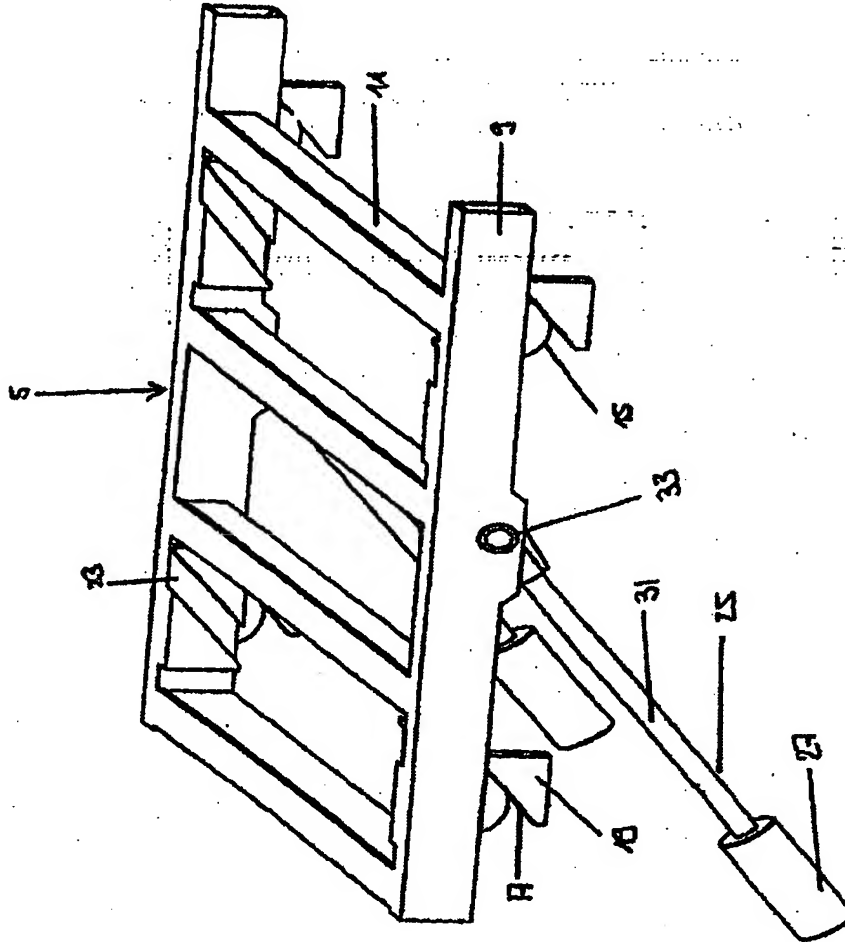


FIG. 1

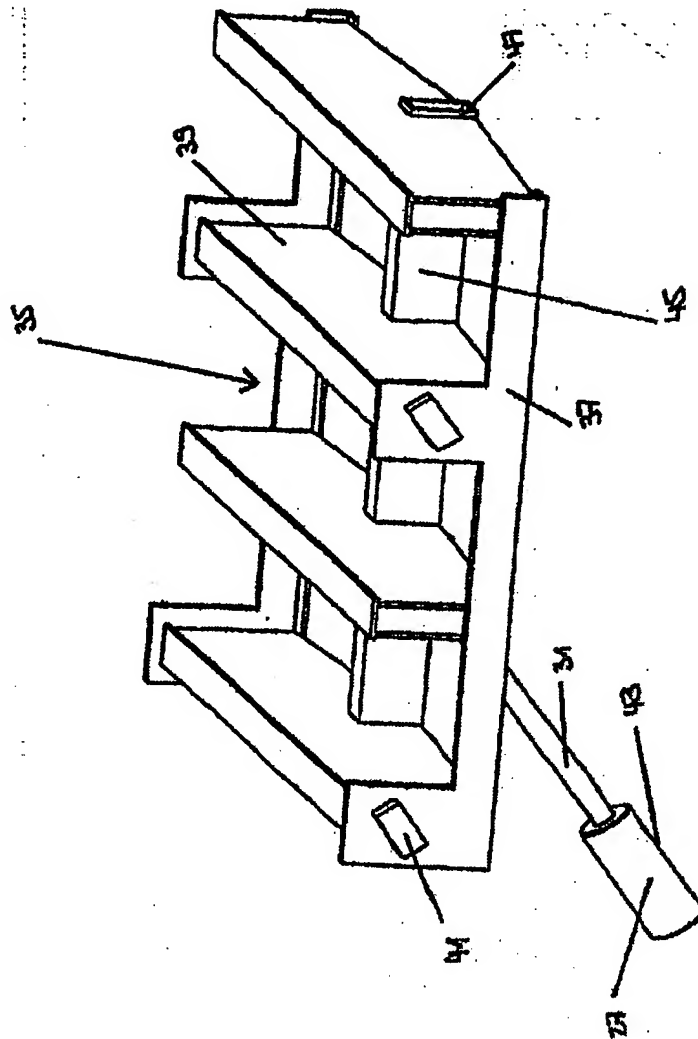
Sheet 2 of 13

U.S. Patent

Sep. 16, 2008

7,424,856 B2

FIG. 2



Sheet 4 of 13

U.S. Patent

Sep. 16, 2008

7,424,856 B2

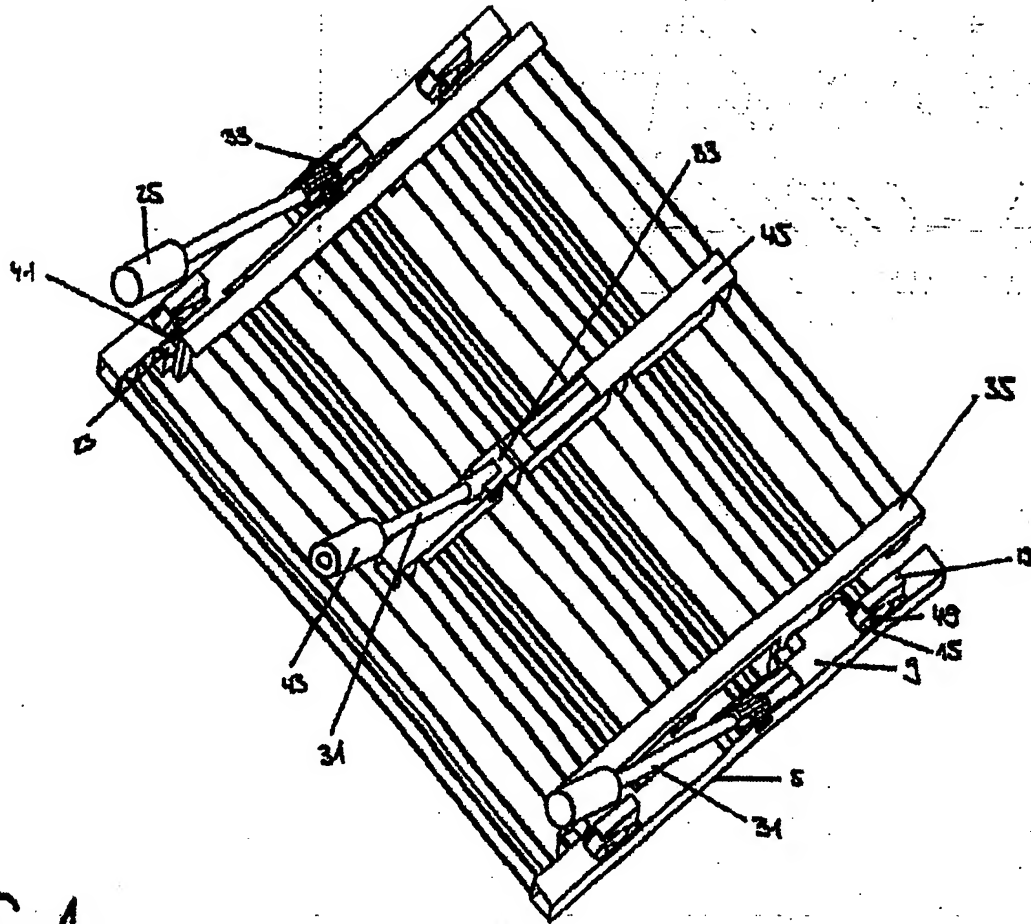


FIG. 4

Sheet 5 of 13

U.S. Patent

Sep. 16, 2008

7,424,856 B2

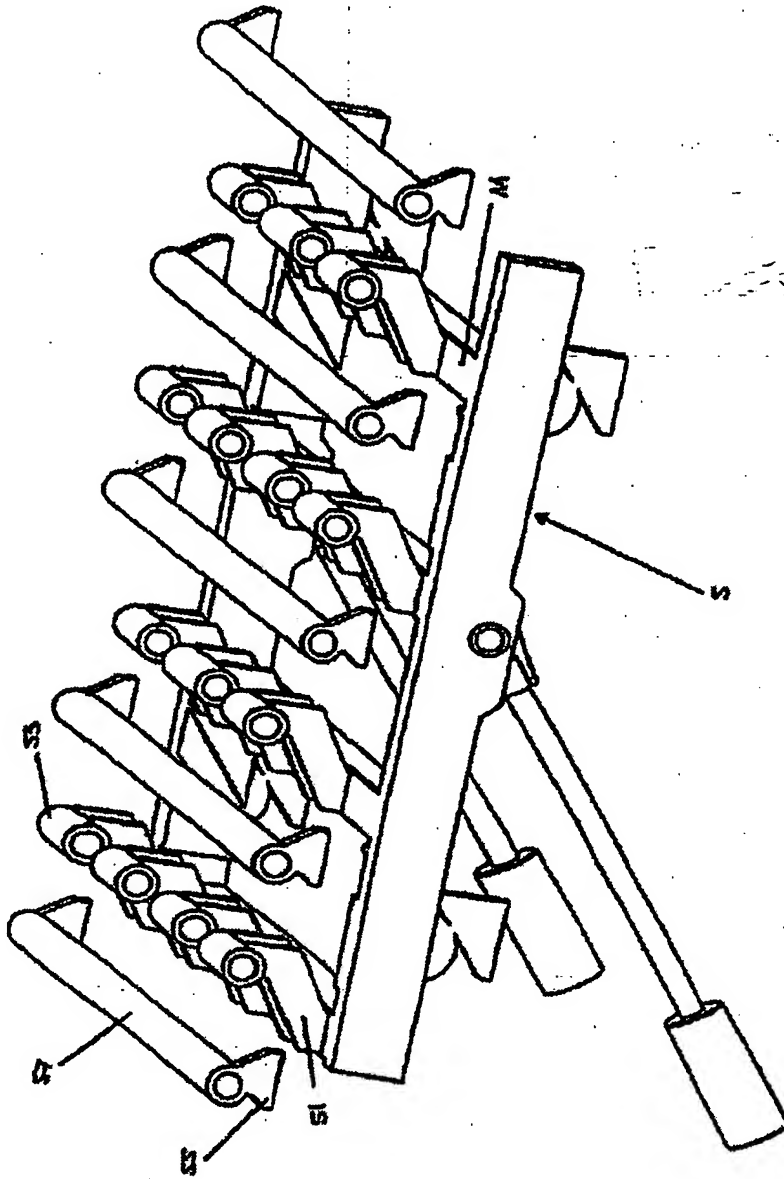


FIG. 5

Sheet 6 of 13

U.S. Patent

Sep. 16, 2008

7,424,856 B2

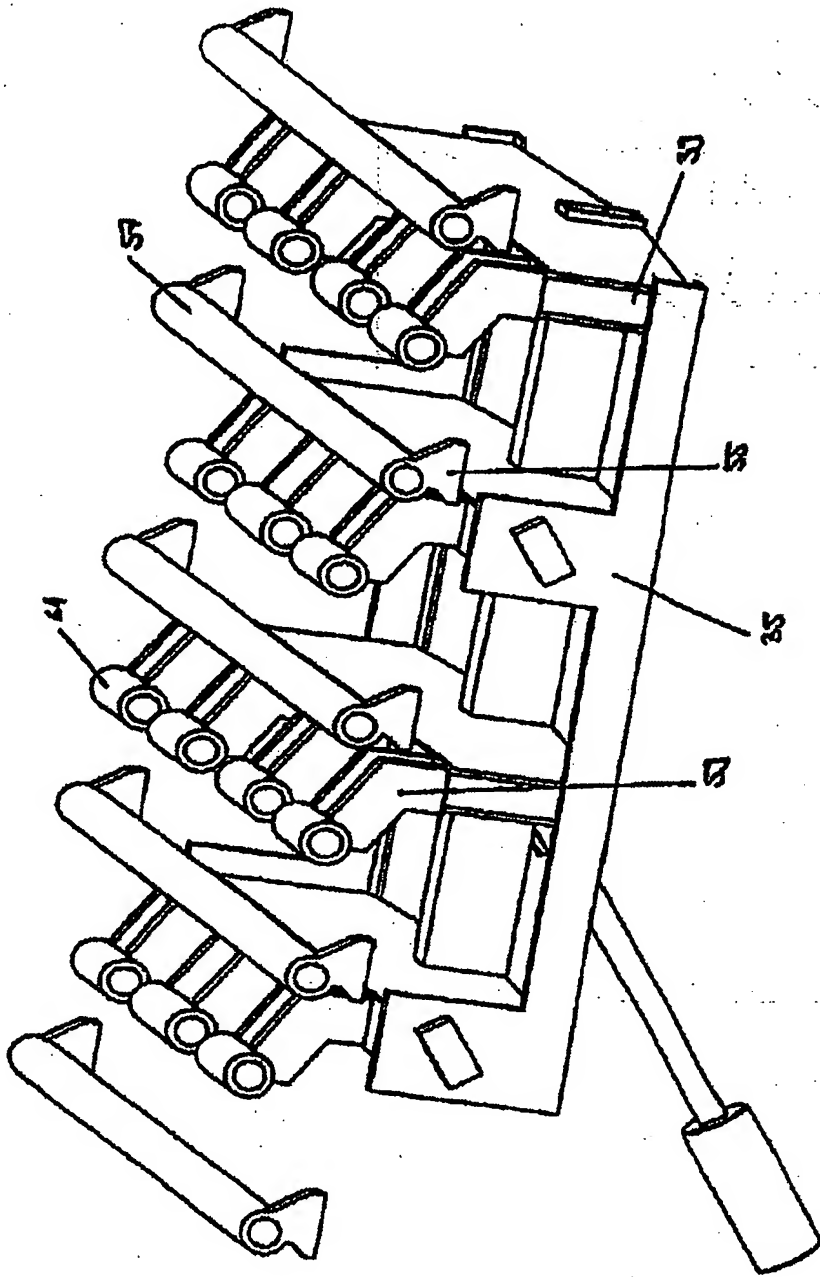


FIG. 6

Sheet 7 of 13

U.S. Patent

Sep. 16, 2008

7,424,856 B2

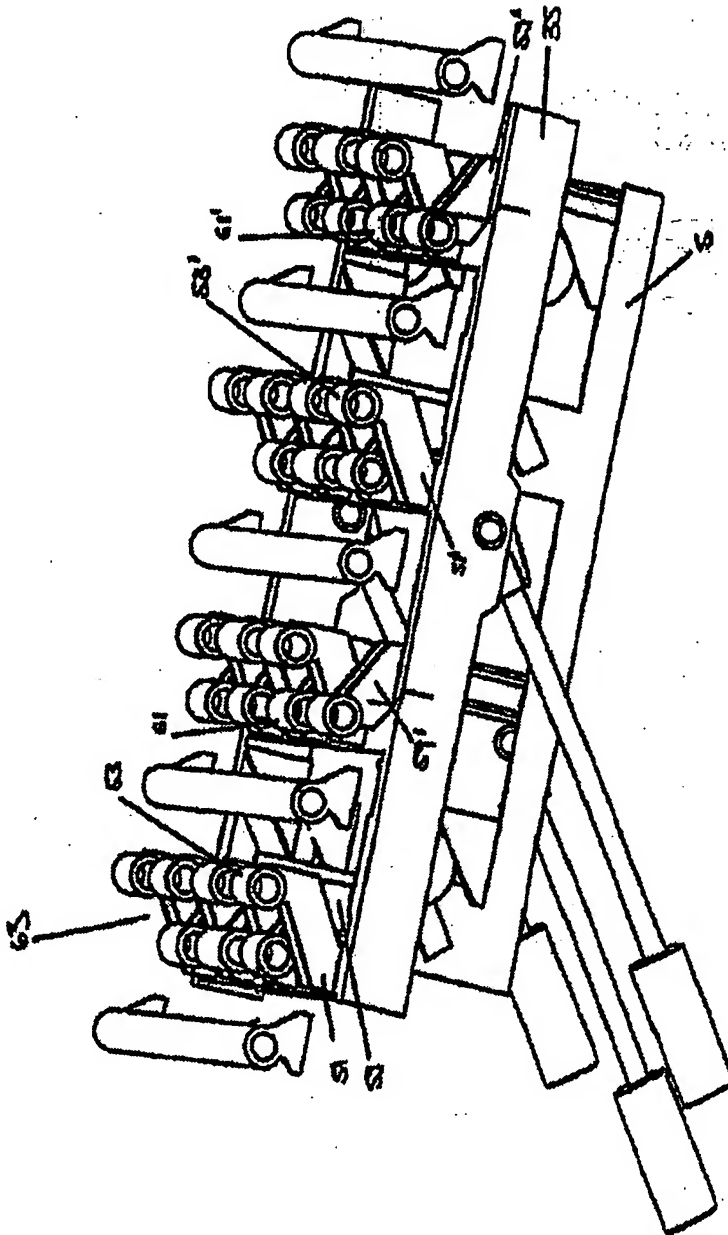


FIG. 7

U.S. Patent

Sep. 16, 2008

Sheet 8 of 13

7,424,856 B2

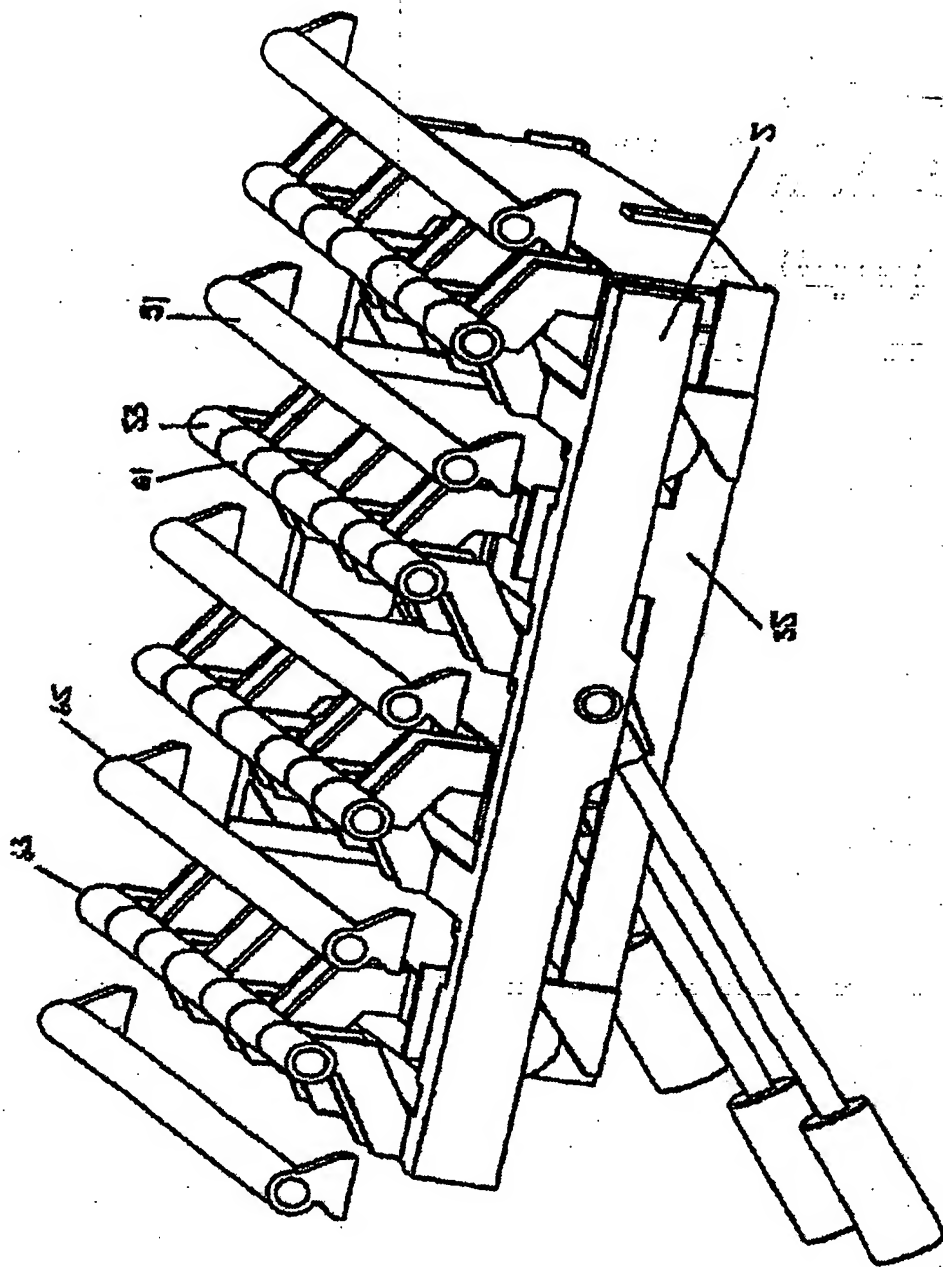


FIG. 8

U.S. Patent

Sep. 16, 2008

Sheet 9 of 13

7,424,856 B2

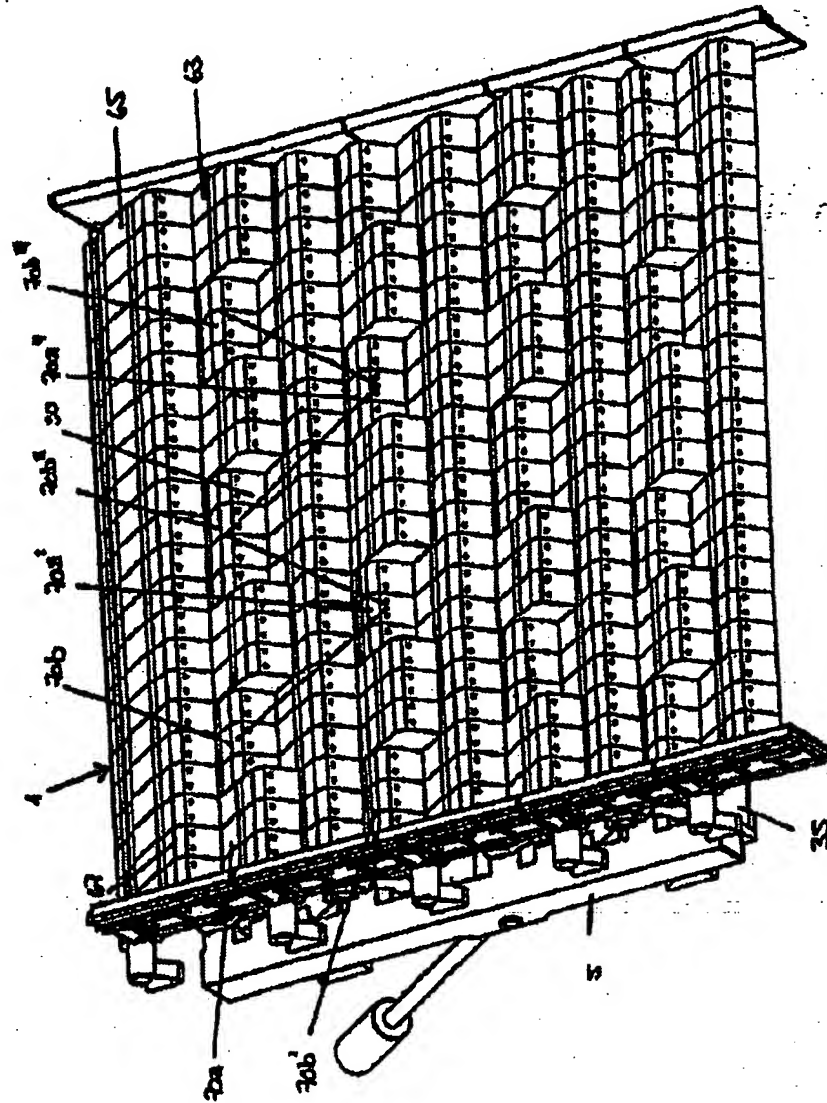


FIG. 9

U.S. Patent

Sep. 16, 2008

Sheet 10 of 13

7,424,856 B2

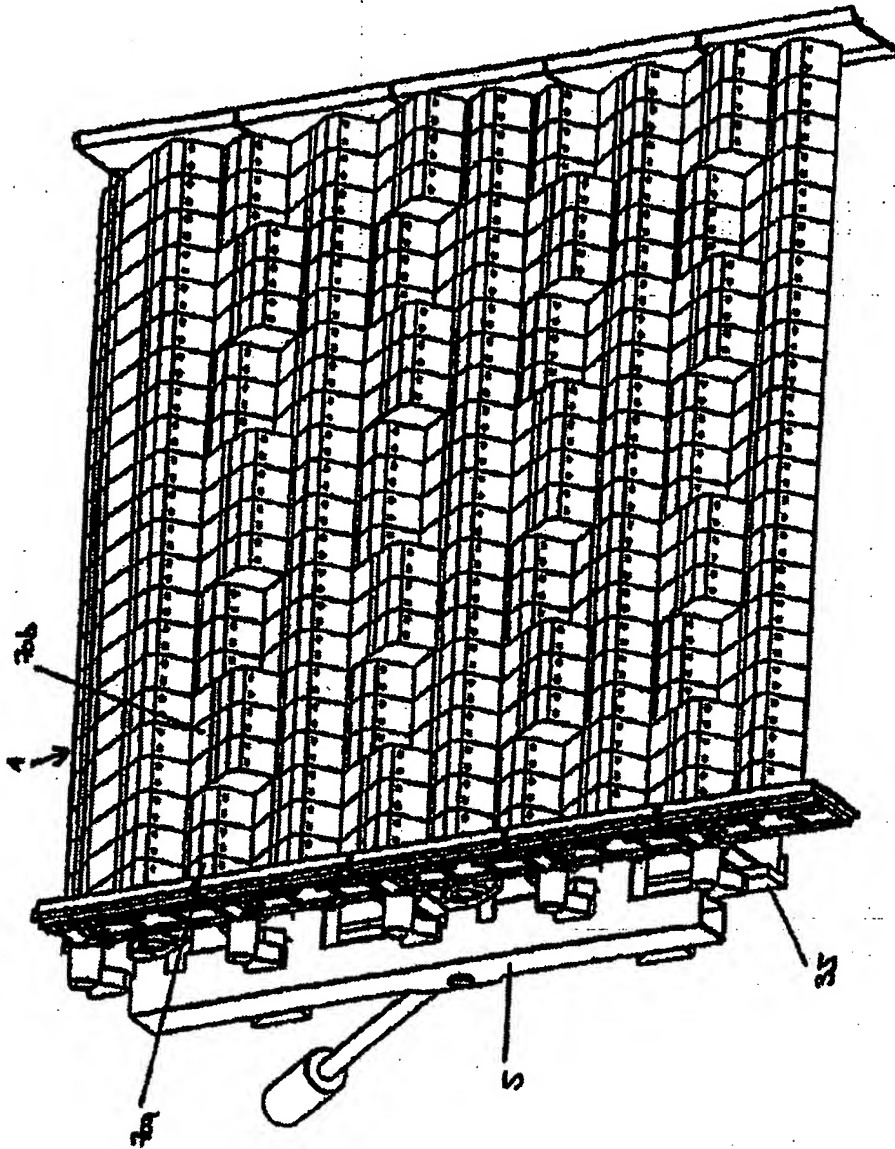


FIG. 10

Sheet 11 of 13

U.S. Patent

Sep. 16, 2008

7,424,856 B2

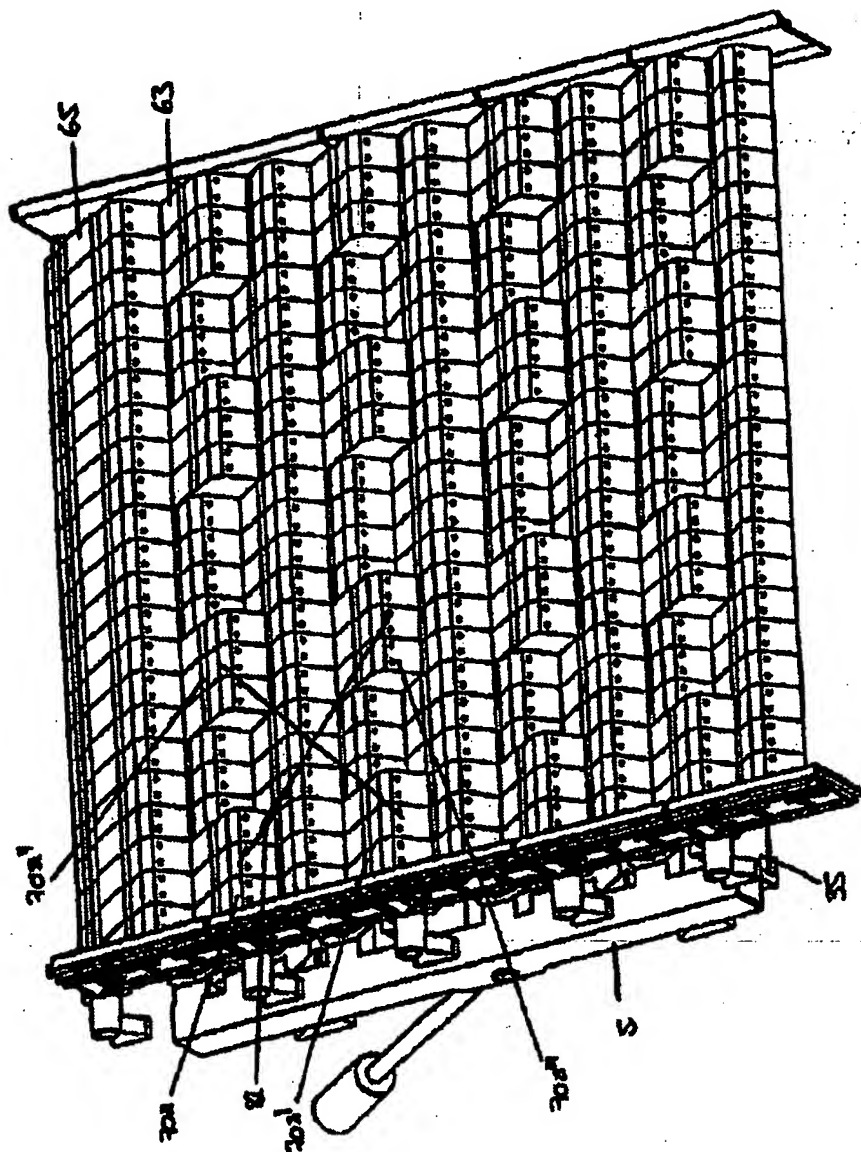


FIG. 11

Sheet 12 of 13

U.S. Patent

Sep. 16, 2008

7,424,856 B2

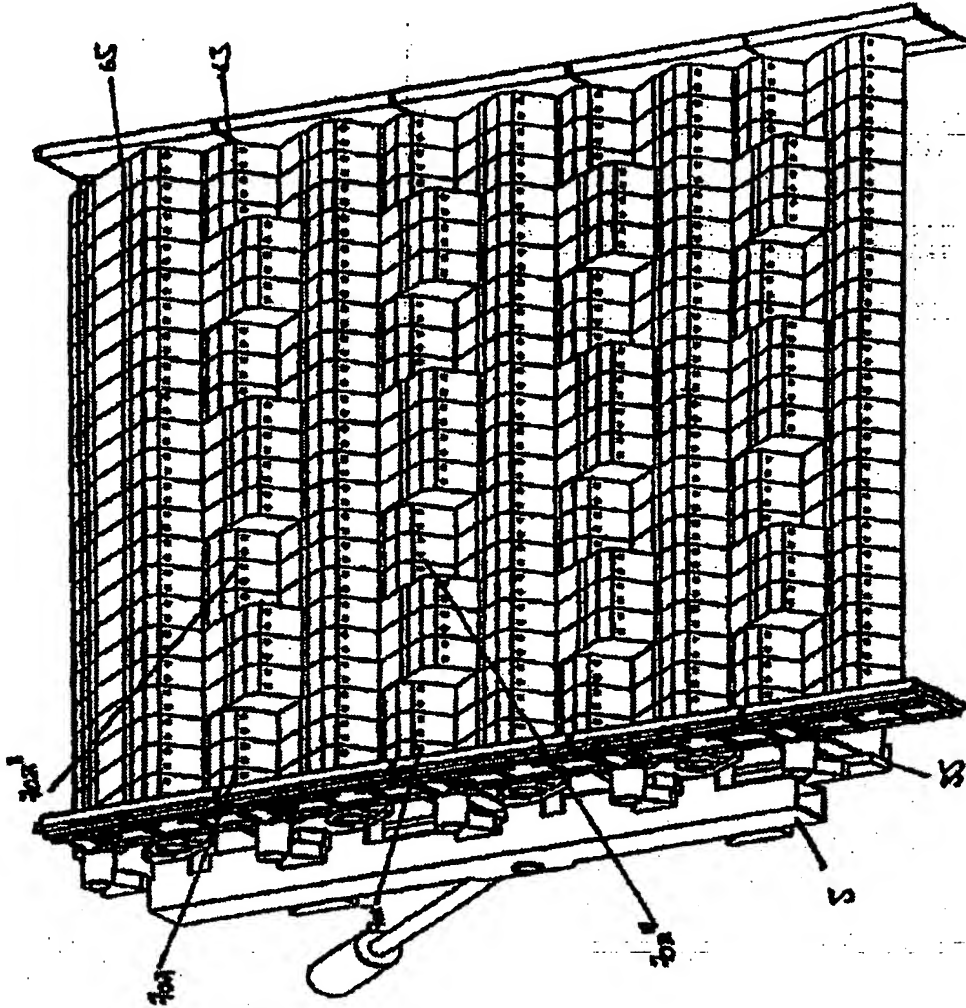


FIG. 12

Sheet 13 of 13

U.S. Patent

Sep. 16, 2008

7,424,856 B2

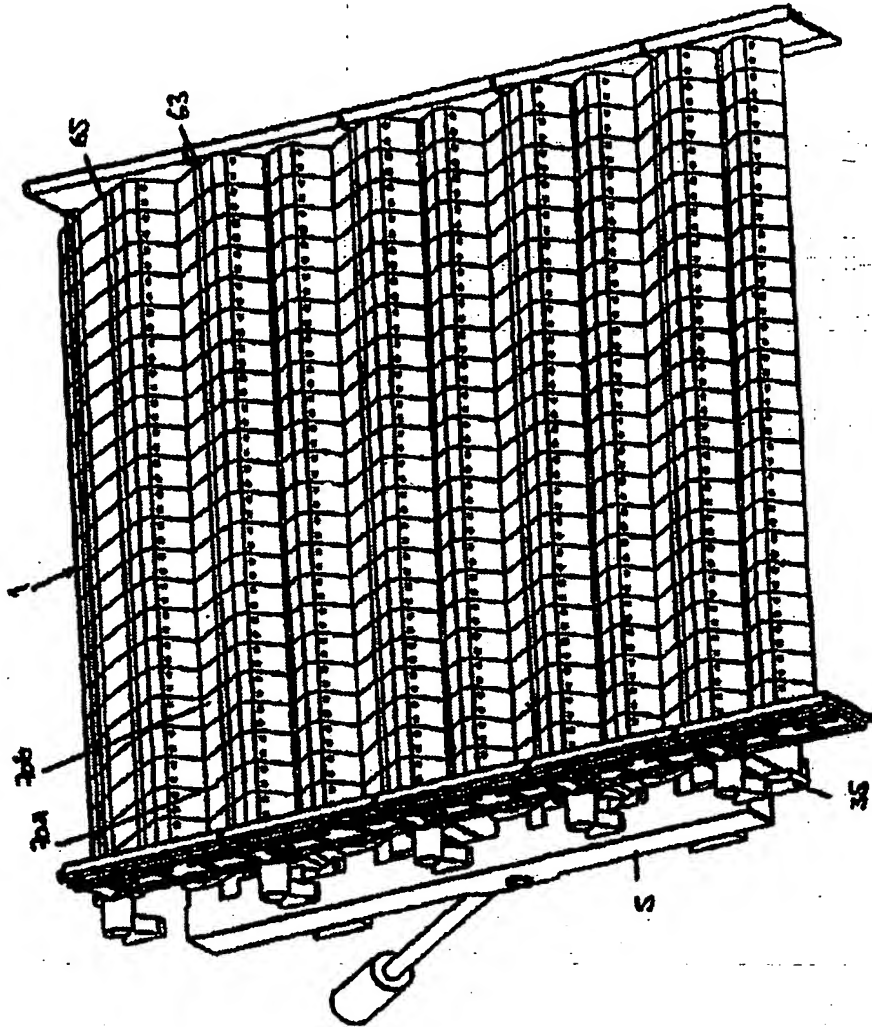


FIG. 13